

ABSTRACT OF THE DISCLOSURE

An antenna apparatus of the present invention includes a first circularly polarized antenna for a first frequency band, a second circularly polarized antenna for a second frequency band, and a substrate that is common to these two antennas. The antennas are disposed back to back on the front and rear surfaces of the substrate. High-frequency signals in the first frequency band and the second frequency band that are sent and received by the first circularly polarized antenna and the second circularly polarized antenna, respectively, are connected, via a common frequency synthesizer and a common coaxial cable, to an antenna connector of a wireless communication apparatus.